

1 (002) A RAM coatings contains magnetic particles incorporated into a binder  
2 such as a urethane paint. The thickness of the coating must be controlled in  
3 order to obtain the proper radar absorption properties. One approach is to use  
4 a hand held thickness measuring device as disclosed in US Patent No.  
5 5,012,248 "Radar Absorption Material Thickness Measuring Device" by J. R.  
6 Munroe, et al. This invention comprises a radiating element assembly for  
7 transmitting RF energy to and recovering reflected RF energy from the  
8 coating. A visual display is provided to indicate the thickness of the coating.  
9 A portable power supply is coupled to the detector assembly making it  
10 portable. This device is highly suitable for use in checking repairs made in  
11 the field. While this device works well, it requires contact with the surface.